



## PATENT ABSTRACTS OF JAPAN

(11) Publication number: **02272081 A**(43) Date of publication of application: **06.11.1990**(51) Int. Cl. **C09K 3/00**B01F 17/20, B01F 17/22, C07C381/12, C12N 11/02, G01N 27/333,  
G01N 33/543, G01N 33/544(21) Application number: **01094670**(22) Date of filing: **14.04.1989**(71) Applicant: **FUJI PHOTO FILM CO LTD**(72) Inventor: **MIYASAKA TSUTOMU**(54) **FUNCTIONAL ORGANIC THIN FILM**

## (57) Abstract:

PURPOSE: To provide the title thin film capable of immobilizing thereon in high density a variety of functional compounds such as photosensitive coloring matters, oxidizing and reducing compounds and biologically active proteins, consisting of monomolecular film or cumulated film consisting of amphiphatic organic molecule including specific active ester derivative.

CONSTITUTION: The objective thin film consisting of

monomolecular film or cumulated film consisting of amphiphatic organic molecule including active ester derivative of the formula [R is  $\geq 13$ C aliphatic group (pref.  $\leq 60$ C alkyl or fluoroalkyl);  $R_1$  and  $R_2$  are each alkyl or fluoroalkyl (esp. pref. methyl or fluoromethyl);  $X^-$  is halogen ion, sulfate ion or nitrate ion].

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